

# SILIPORITE® NK20AP POWDER

Product Datasheet

## High performances molecular sieves



PRODUCT DATASHEET

**SILIPORITE® NK20AP is a synthetic zeolite type A of crystalline structure in Calcium-Sodium Aluminosilicate powder form, having a low density and an effective pore opening of approximately 5 angstroms (5Å) efficient for water adsorption and for low molecular weight organic molecules such as some VOCs.**

### APPLICATIONS

Siliporite® NK20AP molecular sieves can be used for all drying purposes where a desiccant, easy to use and of high efficiency, is needed.

In particular

- in non-foam polyurethane systems such as paints, coating, sealant, adhesives and elastomers, 2K & 1K polyurethane systems;

- in castor oil molecular sieves paste formulations, thanks to the small crystal size of Siliporite® NK20AP.

Siliporite® NK20AP can also be used to adsorb low molecular weight organic molecules such as some volatile organic compounds (VOC).

SPECIFICATION	UNITS	VALUES	Control test#
Particle size retained on a 20µm mesh size	% weight	2 max	009
Water adsorption capacity at 50% relative humidity at 23°C (+/-2°C)	% weight	26 min	002B
Loss on Ignition (1h at 575°C) (%)	% weight	2.5 max	001

TYPICAL VALUES	UNITS	VALUES	Control test#
Pot life at 20°C	minutes	80 minimum	422
Settled Density		0.50-0.75	005

### STORAGE AND HANDLING

Arkema adsorbents are shipped in air-tight, non-returnable steel drums or semi-bulk bags. In all cases Arkema recommends indoor storing to protect from bad weather conditions, direct sun and ground humidity. Before handling Arkema adsorbents, read their Safety Data Sheet (MSDS) for up-to-date safety, moisture pick-up from the air. In any case, ask Arkema to make sure your storage conditions and handling procedure meet our requirements.

### PACKAGING

SILIPORITE® NK20AP is available in the following packaging:

Packaging	Net weight/packaging	Nbr / pallet	Net weight/pallet
Small bags	20 kg = 44.092 lbs	60 small bags	1,200 kg = 2,645.520 lbs
Big bags	544 kg = 1,199.302 lbs	2 big bags	1,088 kg = 2,398.605 lbs
Drums	80 kg = 176.368 lbs	8 drums	640 kg = 1,410.944 lbs

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### FOR MORE INFORMATION

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# SILIPORITE®

## ARKEMA

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